

ABSTRACT OF SANITARY REPORTS.

VOL. IX.

WASHINGTON, D. C., OCTOBER 19, 1894.

No. 42.

TREASURY DEPARTMENT, *U. S. Marine-Hospital Service*.—Published in accordance with act of Congress approved February 15, 1893.

UNITED STATES.

[Reports to the Supervising Surgeon-General M. H. S.]

One case of varioloid in Cleveland.

COLUMBUS, OHIO, October 8, 1894.—One case of varioloid reported at Cleveland. Patient was employed on steamer *Thos. Davidson*, and came from Milwaukee. She was sent to hospital. Crew were vaccinated; boat disinfected. No passengers. No other cases in Ohio.—C. O. PROBST, *Secretary State Board of Health*.

Status of smallpox in Wisconsin.

MILWAUKEE, October 8, 1894.—Since my last communication, dated September 24, the following concerning smallpox in this State has been reported at this office: Two Rivers, Manitowoc County, 2 cases; Liberty, Outagamie County, 1 case; Oneida Reservation (Indian), Outagamie County, 1 case; Wauwatosa, Milwaukee County, 18 cases, 7 fatal; Milwaukee Township, Milwaukee County, 1 case; Milwaukee City, Milwaukee County, 102 cases, 21 fatal; Wausau, Marathon County, 1 case; number of cases on hand now in the city of Milwaukee, 115. There has been a slight decrease in the number reported during the past week. The new smallpox hospital is completed and ready for occupancy.—U. O. B. WINGATE, *Secretary State Board of Health*.

Report on typhoid fever in the District of Columbia.

This report, submitted by the Medical Society of the District of Columbia to the Committee on the District of Columbia of the United States House of Representatives on June 14, 1894, considers:

1. The prevalence and mortality of typhoid fever in the District.
2. The relations of the dissemination of the disease to the—
 - (a) Public water supply.

(b) To the pollution of the soil with the leakage from privies, from defective sewers, and from the backing up of sewage from tidal movements.

(c) To the drinking of well or pump water.

(d) To contaminated milk, and to other causes.

3. The difference in mortality in different areas of the city, with a view to discover the causes of the disease.

4. Conclusions based upon the foregoing data, as to what measures should be taken to diminish the spread of the disease.

Under the head of the prevalence and mortality of typhoid fever in the District are statistical tables of deaths from typhoid fever in the District and comparative mortality tables of other cities:

The following table gives the statistics of typhoid fever in the District of Columbia from 1881-1893, the ratio of deaths from all causes, and the total deaths, based upon the records of the health office of the District:

Years.	Population.	Deaths from typhoid fever.	Ratio of deaths from typhoid fever to 1,000 deaths from all causes.	Ratio of deaths from typhoid fever to each 10,000 population.	Total deaths.
1881.....	183,000	67	16.2	3.6	4,136
1882.....	188,653	120	26.2	6.3	4,571
1883.....	191,980	92	21.4	4.8	4,286
1884.....	200,000	76	16.0	3.8	4,814
1885.....	200,000	124	25.0	6.2	4,998
1886.....	205,000	125	27.2	6.2	4,674
1887.....	210,000	116	25.0	5.5	4,685
1888.....	225,000	168	33.6	7.4	5,040
1889.....	250,000	170	33.3	6.8	5,152
1890.....	250,000	208	37.7	8.3	5,564
1891.....	250,000	208	36.6	8.3	5,720
1892.....	260,000	183	30.4	7.0	6,098
1893.....	285,000	186	28.6	6.5	6,452

After reports of chemical and bacteriological examination of the water supply, both Potomac and well water, and after investigation and consideration of the pollution of the soil from sewers and privies, the danger of infection from contaminated milk, and after noting the difference in mortality in the various portions of the city, the committee announce the following conclusions:

It has been shown that in Washington there is a coincidence between a soil polluted with the leakage of the excreta from typhoid fever patients, the drinking of infected well water, and an extensive distribution of typhoid fever; that where these first two conditions exist to the greatest degree typhoid fever is most prevalent. It remains to be seen whether the purification of the soil and the abolition of the water supply from pumps would lessen the disease.

The belief that typhoid fever spreads by "soil contamination" would be much strengthened if other cities with the same conditions have diminished the percentage of the disease by draining the soil and abandoning the use of well water.

1. Typhoid fever increases in proportion to the saturation of the soil with decomposing organic matter, especially human excreta, and to the drinking of infected well water.

2. Typhoid fever decreases in proportion as a city is well sewered and in proportion to the abandonment of the drinking of well water and of all contaminated water.

The greatest diminution in typhoid fever has taken place in England and Germany, where expert engineers and liberal municipal governments have combined in the work of

sewering the principal cities. In the cities of Spain, Italy, Russia, and Mexico, where the sewerage systems are less complete, the diminution has not taken place.

The measures to be recommended are :

1. The immediate abandonment of all wells within the city limits, exception only to be made in case of the absence of the Potomac supply and where the wells, after repeated chemical and bacteriological examinations, have been found to be free from all possible sources of danger. But even these to be abandoned as rapidly as possible.

2. Purification of the sewerage system already existing, by replacing as rapidly as possible all damaged or defective drains.

3. The introduction of new sewers in advance of other improvements in parts of the city not now supplied with drainage and the extension of the system as far outside the city limits as the rapidly growing population demands, so as to prevent soil contamination.

4. The adoption of some system by which the lower sections of the city can be more completely drained and the risks arising from the backing up of tide water and sewage prevented.

5. The final and safe disposal of the sewage.

6. To make all existing privies, vaults, and other receptacles of human excreta watertight, and by rigid inspection and penalties to prevent the danger from leakage and overflow.

7. The early completion of the plans recommended by Col. Elliot, in charge of the Washington aqueduct, and now in course of execution, which have in view the sedimentation of the Potomac water, and ultimately the completion of works for filtration, the only proper method of purification.

8. The suppression of all privies and the enforcing of the law to make sewer connections.

9. Careful inspection of all dairies in the District from which our milk supply is drawn, and the enactment of a law by which no milk shall be sold in the District without a permit from the health office. The inspection should cover an examination at the dairies of all possible sources of infection, including the water supply.

10. The urging upon the members of the profession of a careful collation of all facts bearing upon the mode of infection in each case, and the advantage of reporting such facts to the society, and the propagation of the doctrine that immediate disinfection of the stools is the first duty of the physician as guardian of the health of the community.

G. L. MAGRUDER,
W. W. JOHNSTON,
C. M. HAMMETT,

Committee.

Report of immigration at Boston for the two weeks ended October 14, 1894.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,

Port of Boston, Mass., October 15, 1894.

Number of alien immigrants who arrived at this port during the two weeks ended October 14, 1894; also names of vessels and ports from which they arrived.

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1894.				
Oct. 7	Steamship Cephalonia	Liverpool and Queenstown.....		524
Oct. 12	Steamship Hungaria.....	Hamburg.....	29	49
	Total.....		29	573

THOMAS F. DELHANTY,
Commissioner of Immigration.

*Report of immigration at New York for the week ended October 15, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of New York, October 15, 1894.**Number of alien immigrants who arrived at this port during the week ended October 15, 1894;
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1894.				
Oct. 7	Steamship Peruvian.....	Glasgow		9
7	Steamship Etruria.....	Liverpool and Queenstown		216
7	Steamship Ithaetia.....	Hamburg.....	50	144
7	Steamship La Bourgogne.....	Havre.....		199
7	Steamship P. Caland.....	Rotterdam.....	150	194
8	Steamship Veendam.....	.....do.....	225	370
9	Steamship Friesland.....	Antwerp.....	13	211
10	Steamship Trave.....	Bremen.....	8	154
11	Steamship Teutonic.....	Liverpool and Queenstown	4	222
11	Steamship Havel.....	Bremen.....	3	201
11	Steamship Willehad.....	.....do.....	23	77
12	Steamship State of Nebraska...	Glasgow	1	70
12	Steamship Scandia.....	Hamburg.....	35	104
12	Steamship Alesia.....	Naples.....		94
13	Steamship Campania	Liverpool and Queenstown		493
13	Steamship Paris.....	Southampton.....	15	333
13	Steamship Augusta Victoria....	Hamburg.....		109
	Total		527	3,900

DR. J. H. SENNER,
*Commissioner of Immigration.**Report of immigration at Philadelphia for the two weeks ended October 13, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, October 13, 1894.**Number of alien immigrants who arrived at this port during the two weeks ended October 13, 1894; also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants from Russia.	No. of immigrants.
1894.				
Oct. 3	Steamship Lord Gough.....	Liverpool	120	644
6	Steamship Southwark.....	.....do.....	94	865
12	Steamship Pennsylvania.....	Antwerp.....		135
	Total		214	1,644

JNO. J. S. RODGERS,
Commissioner of Immigration.

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS.

BRUNSWICK QUARANTINE.

Week ended October 13, 1894.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of departure.
Spanish brig Sebastiano*.....	Oct. 2	Santos.....	Brunswick..	Disinfected.....	Oct. 11

* Previously reported.

Three vessels inspected and passed.

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS—*Continued.*

CAPE CHARLES QUARANTINE.

Week ended October 6, 1894.

One vessel inspected and passed.

Week ended October 13, 1894.

Four vessels inspected and passed.

DELAWARE BREAKWATER QUARANTINE.

Week ended October 13, 1894.

Three vessels inspected and passed.

GULF QUARANTINE.

Week ended October 8, 1894.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Br. bark Sarmatian*.....	Sept. 25	Rio de Janeiro.	Ship Island.	Disinfected and held for observation.	.....

* Previously reported.

KEY WEST QUARANTINE.

Week ended October 2, 1894.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Am. schr. Fannie Reische*....	Sept. 21	Nombre de Dios.	Tampa.....	Disinfected.....	Sept. 28
Am. schr. Myra B. Weaver*....	Sept. 23	Havana.....	South of Hatteras.	Disinfected and held for observation.	.....
Br. schr. Jno. S. Parker.....	Oct. 1	Cardenas.....	Pascagoula.....	.....do.....	.....
Am. schr. Navarino.....	Oct. 1	.....do.....	.....do.....	.....do.....	.....
Am. schr. Wm. H. Swan.....	Oct. 2	Havana.....	Port Tampa.....	.....do.....	.....

* Previously reported.

Week ended October 9, 1894.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
Am. schr. Myra B. Weaver*....	Sept. 23	Havana.....	South of Hatteras.	Disinfected.....	Oct. 9
Br. schr. Jno. S. Parker*.....	Oct. 1	Cardenas.....	Pascagoula.....	.....do.....	Oct. 8
Am. schr. Navarino*.....	Oct. 1	.....do.....	.....do.....	.....do.....	Oct. 8
Am. schr. Wm. H. Swan*.....	Oct. 2	Havana.....	Port Tampa.....	Disinfected and held for observation.	.....
Am. schr. Vilay Hermano.....	Oct. 3	Cardenas.....	Mobile.....	.....do.....	.....

* Previously reported.

PORT TOWNSEND QUARANTINE.

Week ended October 6, 1894.

Seven vessels inspected and passed.

SAN DIEGO QUARANTINE.

Week ended October 10, 1894.

Two vessels inspected and passed.

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS—*Continued.*

SOUTH ATLANTIC QUARANTINE.

Week ended October 6, 1894.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
German bark Mona *.....	Sept. 24	Rio de Janeiro.	Savannah....	Disinfected and held for observation.	.....
Br. steamship Costa Rican *.....	Sept. 24	Liverpool	Port Royal..	Disinfected.....	Oct. 3
Span. s. s. Miguel M. Pinillos *..	Sept. 28	Havana	Savannah ...	Disinfected and held for observation.	.....
Port. bark Josephine	Sept. 30	Rio de Janeiro.	.....do	Held for disinfection.	.....

* Previously reported.

Two vessels inspected and passed.

Reports of States and yearly and monthly reports of cities.

CALIFORNIA—*Los Angeles*.—Month of September, 1894. Estimated population, 75,000. Total deaths, 104, including phthisis pulmonalis, 5; enteric fever, 9; and diphtheria, 1.

Sacramento.—Month of September, 1894. Estimated population, 30,000. Total deaths, 45, including phthisis pulmonalis, 5; enteric fever, 3; and diphtheria, 2.

CONNECTICUT.—Month of September, 1894. Reports to the State board of health from 164 towns, having an aggregate population of 805,956, show a total of 1,183 deaths, including phthisis pulmonalis, 111; smallpox, 1; enteric fever, 38; scarlet fever, 2; diphtheria and croup, 21; and whooping cough, 8.

New Haven.—Month of June, 1894. Estimated population, 100,000. Total deaths, 162, including phthisis pulmonalis, 18; enteric fever, 2; scarlet fever, 1; measles, 2; diphtheria and croup, 4; and whooping cough, 1.

Month of July, 1894. Total deaths, 195, including phthisis pulmonalis, 19; enteric fever, 2; diphtheria and croup, 6; and whooping cough, 4.

Month of August, 1894. Total deaths, 169, including phthisis pulmonalis, 14; enteric fever, 6; diphtheria and croup, 5; and whooping cough, 3.

FLORIDA.—Month of August, 1894. Reports to the State board of health from 45 counties, including the cities of Jacksonville, Pensacola, and Key West, having an aggregate population of 391,422, show a total of 391 deaths, including enteric fever, 15; phthisis pulmonalis, 35; and whooping cough, 3.

Tampa.—Month of September, 1894. Estimated population, 15,688. Total deaths, 12, including 4 from phthisis pulmonalis.

IOWA—*Davenport*.—Estimated population, 35,500. Total deaths, 25, including 2 from phthisis pulmonalis.

INDIANA—*Evansville*.—Month of September, 1894. Estimated population, 60,000. Total deaths, 64, including phthisis pulmonalis, 3; enteric fever, 4; scarlet fever, 1; and diphtheria, 1.

KENTUCKY—*Louisville*.—Month of September, 1894. Estimated population, 200,000. Total deaths, 183, including phthisis pulmonalis, 19; enteric fever, 11; diphtheria, 7; croup, 1; and whooping cough, 1.

MAINE—*Portland*.—Four weeks ended Saturday, October 6, 1894. Estimated population, 40,000. Total deaths, 61, including phthisis pulmonalis, 10; and enteric fever, 4.

MARYLAND—*Baltimore*.—Month of September, 1894. Estimated population, white, 384,394; colored, 71,033; total, 455,427. Deaths, white, 495; colored, 161; total, 656, including phthisis pulmonalis, 62; enteric fever, 28; scarlet fever, 4; diphtheria, 11; and whooping cough, 20.

MASSACHUSETTS.—*Fitchburg*.—Month of September, 1894. Estimated population, 29,383. Total deaths, 27, including phthisis pulmonalis, 3; enteric fever, 1; diphtheria, 1; and whooping cough, 1.

Northampton.—Month of September, 1894. Estimated population, 16,400. Total deaths, 28, including phthisis pulmonalis, 1; enteric fever, 1; and scarlet fever, 1.

Worcester.—Month of September, 1894. Estimated population, 98,000. Total deaths, 140, including phthisis pulmonalis, 12; enteric fever, 8; diphtheria, 4; and whooping cough, 4.

MICHIGAN.—Week ended October 6, 1894. Reports to the State board of health from 63 observers, indicate that remittent fever increased in area of prevalence. Phthisis pulmonalis was reported present at 236 places, scarlet fever at 45, enteric fever at 90, diphtheria at 32, measles at 2, and smallpox at 3 places, (Detroit, Manchester and Rives Township.)

Grand Rapids.—Month of September, 1894. Estimated population, 80,000. Total deaths, 113, including phthisis pulmonalis, 8; enteric fever, 6; and diphtheria, 1.

MINNESOTA.—Month of September, 1894. Estimated population, 155,000. Total deaths, 112, including phthisis pulmonalis, 5; enteric fever, 6; scarlet fever, 1; and diphtheria, 4.

NEW HAMPSHIRE—*Concord*.—Month of September, 1894. Estimated population, 19,000. Total deaths, 18, including phthisis pulmonalis, 2; scarlet fever, 1; and diphtheria, 1.

NEW YORK—*Buffalo*.—Month of September, 1894. Estimated population, 315,000. Total deaths, 485, including phthisis pulmonalis, 38; enteric fever, 22; scarlet fever, 1; croup, 6; diphtheria, 9; and whooping cough, 11.

OHIO—*Columbus*.—Month of September, 1894. Estimated population, 100,000. Total deaths, 83, including phthisis pulmonalis, 15; enteric fever, 10; and whooping cough, 2.

Toledo.—Month of September, 1894. Estimated population, 125,000. Total deaths, 132; including phthisis pulmonalis, 11; enteric fever, 3; scarlet fever, 1; diphtheria, 1; croup, 1; and whooping cough, 2.

RHODE ISLAND—Newport.—Month of September, 1894. Estimated population, 20,000. Total deaths, 43, including phthisis pulmonalis, 2; enteric fever, 1; and croup, 1.

TENNESSEE—Nashville.—Month of September, 1894. Estimated population, white, 54,595; colored, 33,159; total, 87,754. Deaths, white, 62; colored, 68; total, 130, including phthisis pulmonalis, 19; enteric fever, 1; scarlet fever, 1; diphtheria, 1; and croup, 1.

PUBLICATIONS RECEIVED.

Twenty-first Annual Report of the Board of Health of the City of New Haven, Conn., 1893.

Twelfth Annual Report of the Provincial Board of Health of Ontario for the year 1893.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Allegheny, Pa.	Oct. 13.	105,287	34	1					6				
Altoona, Pa.	Oct. 6.	30,337	13	1								1	
Amesbury, Mass.	Oct. 13.	9,798	0	1									
Ashtabula, Ohio.	Oct. 13.	8,338	1										
Auburn, N. Y.	Oct. 6.	25,858	7	2									
Auburn, N. Y.	Oct. 13.	25,858	9										
Augusta, Ga.	Oct. 12.	33,300	18	2									
Baltimore, Md.	Oct. 13.	434,439	147	20					7	1	3		1
Bath, Me.	Oct. 6.	8,723	3										
Battle Creek, Mich.	Oct. 6.	13,197	3	1									
Battle Creek, Mich.	Oct. 13.	13,197	3	1									
Belleville, Ill.	Oct. 6.	15,361	4						1				
Belleville, Ill.	Oct. 13.	15,361	1	1									
Beverly, Mass.	Oct. 6.	10,821	1										
Binghamton, N. Y.	Oct. 13.	30,005	12	3								3	
Boston, Mass.	Oct. 13.	448,477	188	12					13			27	
Bristol, Conn.	Oct. 13.	7,382	1										
Bristol, R. I.	Oct. 6.	5,478	0										
Brookline, Mass.	Oct. 6.	12,103	7										
Brooklyn, N. Y.	Oct. 13.	806,343	391	42					8		29		7
Bucyrus, Ohio.	Oct. 6.	5,974	6										
Butler, Pa.	Oct. 13.	8,734	1										
Butte, Mont.	Oct. 6.	10,723	4	1									
Cambridge, Mass.	Oct. 6.	70,028	29	4					3	3			2
Cambridge, Mass.	Oct. 13.	70,028	30	2	2							1	
Carlisle, Pa.	Oct. 6.	7,620	2										
Charleston, S. C.	Oct. 6.	* 54,955	† 36	1					1				
Cincinnati, Ohio.	Oct. 12.	296,908	94	10					9			5	
Claremont, N. H.	Oct. 13.	5,565	2										
Cleveland, Ohio.	Oct. 6.	261,353	84	7					3	4	2		1
Cleveland, Ohio.	Oct. 13.	261,353	94	6					1	9	3	1	
Columbus, Ohio.	Oct. 6.	88,150	2	1									
Columbus, Ohio.	Oct. 13.	88,150	22	8					1			1	
Cumberland, Md.	Oct. 6.	12,729	6										
Cumberland, Md.	Oct. 13.	12,729	7	1									
Dayton, Ohio.	Oct. 4.	61,220	27	4					1				
Dayton, Ohio.	Oct. 11.	61,220	1									2	
Dedham, Mass.	Oct. 6.	7,123	3										
Detroit, Mich.	Oct. 6.	205,876	81									2	
Detroit, Mich.	Oct. 13.	205,876	74									5	
Dunkirk, N. Y.	Oct. 6.	9,416	1										
Elgin, Ill.	Oct. 6.	17,823	2										
Elgin, Ill.	Oct. 13.	17,823	11	1					1				
Enfield, Conn.	Oct. 6.	7,199	7										
Evansville, Ind.	Oct. 12.	50,756	22	3					1			1	
Everett, Mass.	Oct. 13.	11,068	5										
Fall River, Mass.	Oct. 13.	74,398	42	4					2			1	1
Fitchburg, Mass.	Oct. 6.	22,037	9										
Flint, Mich.	Oct. 6.	9,803	5								1		
Flint, Mich.	Oct. 13.	9,803	0										
Fort Smith, Ark.	Sept. 29.	11,311	4										
Fort Smith, Ark.	Oct. 6.	11,311	4	1									
Fort Worth, Tex.	Oct. 6.	23,076	5										
Grand Rapids, Mich.	Oct. 6.	60,278	30	3					2			1	1
Grand Rapids, Mich.	Oct. 13.	60,278	25	1					2				
Haverhill, Mass.	Oct. 13.	27,412	12						1	1			
Hoboken, N. J.	Oct. 6.	43,648	10	2									
Ironton, Ohio.	Oct. 6.	10,939	5						1				
Ironton, Ohio.	Oct. 13.	10,939	4	1								1	
Jamestown, N. Y.	Oct. 6.	16,038	4										
Jamestown, N. Y.	Oct. 13.	16,038	6										
Johnstown, Pa.	Oct. 6.	21,805	9	1									
Johnstown, Pa.	Oct. 13.	21,805	11						2				
Kalamazoo, Mich.	Oct. 6.	17,853	3									1	
Kalamazoo, Mich.	Oct. 13.	17,853	11	1					2			1	
Keokuk, Iowa.	Oct. 11.	14,101	6	1									
Knoxville, Tenn.	Oct. 6.	22,535	18	1					4				1
Knoxville, Tenn.	Oct. 13.	22,535	17	5					1				1
Lebanon, Pa.	Oct. 6.	14,664											
Lebanon, Pa.	Oct. 13.	14,664	2	1									
Lowell, Mass.	Oct. 13.	77,696	35	5								4	
Ludington, Mich.	Oct. 6.	7,517	1										
Ludington, Mich.	Oct. 13.	7,517	2										
Lynchburg, Va.	Oct. 13.	19,709	4	1					1				

* Estimated population, white, 28,870; colored, 36,285. Total, 65,155. † White, 9; colored, 27.

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

[illegible]

Table of temperature and rainfall, week ended October 8, 1894.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
New England States:						
Eastport, Me.....	50	1		1.02		.16
Portland, Me.....	51	3		.91	.01	
Northfield, Vt.....	49	3		.67	.02	
Boston, Mass.....	55	3		.92		.50
Block Island, R. I.....	58	2		.93		.68
New London, Conn.....	57	0		.98		.43
Middle Atlantic States:						
Albany, N. Y.....	55	2		.84	.22	
New York, N. Y.....	60	2		.77		.37
Philadelphia, Pa.....	61	1		.63		.41
Atlantic City, N. J.....	60	1		.77	.34	
Baltimore, Md.....	62	0		.71		.39
Washington, D. C.....	61	1		.77		.70
Lynchburg, Va.....	62	1		.84		.74
Norfolk, Va.....	66	2		.91		.55
South Atlantic States:						
Charlotte, N. C.....	65	0		.91		.38
Wilmington, N. C.....	68	2		1.10	1.06	
Charleston, S. C.....	71	3		1.12		.12
Augusta, Ga.....	70	0		.63		.49
Savannah, Ga.....	71	3		.96		.41
Jacksonville, Fla.....	74	3		1.66	1.17	
Titusville, Fla.....	76	2		1.60		.27
Jupiter, Fla.....	79	1		1.53	.65	
Key West, Fla.....	80	0		1.49	3.66	
Gulf States:						
Atlanta, Ga.....	67		2	.23	.82	
Mobile, Ala.....	72	2		.78	2.61	
Montgomery, Ala.....	71	0		.59	1.46	
Vicksburg, Miss.....	71		2	.60	.12	
New Orleans, La.....	74	1		.76		.76
Shreveport, La.....	71		1	.68	.45	
Fort Smith, Ark.....	67		6	.77	.96	
Little Rock, Ark.....	68		1	.49	1.14	
Palestine, Tex.....	70	2		.84		.84
Galveston, Tex.....	75	2		1.12		1.09
San Antonio, Tex.....	72	4				.58
Corpus Christi, Tex.....	77	2		.89		.79
Ohio Valley and Tennessee:						
Memphis, Tenn.....	67	0		.63		.63
Nashville, Tenn.....	65		2	.63		.63
Knoxville, Tenn.....	64		1	.70		.43
Louisville, Ky.....	63		1	.63		.59
Indianapolis, Ind.....	58		2	.70	1.19	
Cincinnati, Ohio.....	61		3	.56		.52
Columbus, Ohio.....	58		2	.63		.57
Parkersburg, W. Va.....	58	2		.70		.61
Pittsburg, Pa.....	59	0		.56		.48
Lake Region:						
Oswego, N. Y.....	53	3		.76		.22
Buffalo, N. Y.....	54	2		.84	1.36	
Erie, Pa.....	56	2		.98	1.99	
Cleveland, Ohio.....	57		2	.70	.60	
Toledo, Ohio.....	56		2	.56	.13	
Detroit, Mich.....	56		3	.56	.64	
Port Huron, Mich.....	53	0		.63		.26
Alpena.....	49	0		.98	.22	
Marquette, Mich.....	47		1	.91		.10
Grand Haven, Mich.....	53		2	.84	.20	
Milwaukee, Wis.....	55		5	.62		.20
Chicago, Ill.....	57		6	.77		.66
Duluth, Minn.....	49		3	.80	1.12	
Upper Mississippi Valley:						
St. Paul, Minn.....	52		5	.53	.85	
La Crosse, Wis.....	54		6	.70		.06
Davenport, Iowa.....	57		6	.70		.30
Des Moines, Iowa.....	56		5	.84		.32
Keokuk, Iowa.....	58		5	.84		.52
Springfield, Ill.....	59		4	.82		.79
Chgo, Ill.....	64		2	.56	.17	
St. Louis, Mo.....	62		2	.63		.62

*The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended October 8, 1894—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
Missouri Valley:						
Springfield, Mo.	62		6	72	12	
Kansas City, Mo.	61		5	91		23
Wichita, Kans.	62		4	52		39
Concordia, Kans.	59		4	45	02	
Omaha, Nebr.	57		4	70	11	
Valentine, Nebr.	53		3	35		07
Huron, S. Dak.	51		6	35	19	
Pierre, S. Dak.	54		7	14	00	
Moorehead, Minn.	48		6	56	70	
St. Vincent, Minn.	45		5	49	129	
Bismarck, N. Dak.	49		8	28	05	
Williston, N. Dak.	48		10	21	15	
Rocky Mountain Slope:						
Havre, Mont.	48		5	14	06	
Helena, Mont.	49		2	21	06	
Spokane, Wash.	51	0		45	16	
Walla Walla, Wash.	59		2	30		09
Winnemucca, Nev.	52		1	07		07
Salt Lake City, Utah.	56		4	35		25
Cheyenne, Wyo.	50		1	14		14
North Platte, Nebr.	55		3	28		27
Denver, Colo.	55		1	14		14
Pueblo, Colo.	56		3	07		07
Dodge City, Kans.	60		3	35	05	
Abilene, Tex.	69	0		70		70
Santa Fe, N. Mex.	54	1		28		28
El Paso, Tex.	68	0		28		28
Tucson, Ariz.	73	0		14		14
Pacific Coast:						
Port Angeles, Wash.	50	1		63		19
Portland, Oreg.	57	0		77		47
Roseburg, Oreg.	56	1		49		49
Red Bluff, Cal.	67	6		24		24
Sacramento, Cal.	65	6		17		17
San Francisco, Cal.	61	2		21		21
Fresno, Cal.	70	0		07		07
Los Angeles, Cal.	66	5		19		19
San Diego, Cal.	65	1		07		07
Yuma, Ariz.	77	1		07		07

* The figures in these columns represent the average daily departure.

FOREIGN.

[Reports received from the U. S. consuls through the Department of State and from other sources.]

Cholera and yellow fever as reported to the Supervising Surgeon-General M. H. S., May 15 to October 17, 1894.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Mecca.....	June 11.....			Cholera reported.
Austria-Hungary:		94	43	Total to May 29 in all Galicia.
Bukowina.....	June 4-June 7... 5	2	2	
	June 19-June 26... 2			
	July 3-July 30... 32	11		
	July 31-Sept. 2... 536	254		
	Sept. 3-Sept. 16... 149	95		
Galicia—				
Bahnia district.....	July 24-July 30... 6	3		
Biala district.....	Aug. 27-Sept. 2... 3	1		
Bobrka district.....	Sept. 3-Sept. 16... 12	8		
Bochnia district.....	July 31-Aug. 6... 9	3		
	Aug. 20-Sept. 2... 6	4		
	Sept. 3-Sept. 9... 2	1		
Bohorodczann district.....	Aug. 13-Sept. 2... 151	84		
	Sept. 3-Sept. 16... 182	107		
Borszczow district.....	May 30-June 12... 38	12		Borszczow, Husiatyn, Nisko, and Tar
	June 19-June 26... 2	2		noborzeg, June 12-June 19, 31 cases
	July 3-July 30... 52	25		15 deaths.
	July 31-Sept. 2... 364	176		
	Sept. 3-Sept. 16... 76	42		
Brzesko district.....	Aug. 13-Sept. 2... 9	4		
Buczacz district.....	July 24-Aug. 6... 56	29		
	Aug. 7-Sept. 2... 820	230		
	Sept. 3-Sept. 16... 440	233		
Bouhajee.....	Aug. 7-Aug. 12... 3	1		
Cracow district.....	July 10-July 30... 92	38		
	July 31-Sept. 2... 169	89		
	Sept. 3-Sept. 16... 95	65		
Chrzanow district.....	Aug. 27-Sept. 2... 3	2		
	Sept. 3-Sept. 16... 47	15		
Czorkow district.....	July 17-Aug. 6... 18	11		
	Aug. 7-Sept. 2... 178	85		
	Sept. 3-Sept. 16... 27	13		
Dabrowa district.....	July 31-Aug. 6... 1	1		
	Aug. 13-Sept. 2... 18	9		
Ernbow district.....	Aug. 27-Sept. 2... 4	2		
Horodenka district.....	July 10-Aug. 6... 90	36		
	Aug. 7-Sept. 2... 684	396		
	Sept. 3-Sept. 16... 205	117		
Husiatyn district.....	June 19-June 26... 1	1		
	July 3-July 30... 15	8		
	July 31-Sept. 2... 127	72		
	Sept. 3-Sept. 16... 96	49		
Iumacz district.....	July 31-Sept. 2... 512	244		
	Sept. 3-Sept. 16... 293	149		
Kalusz district.....	Aug. 13-Sept. 2... 7	4		
	Sept. 3-Sept. 16... 60	27		
Kolbuszow district.....	July 10-July 16... 1	1		
	Aug. 27-Sept. 2... 1			
	Sept. 3-Sept. 16... 9	7		
Kolomea district.....	July 17-July 23... 1			
	July 31-Sept. 2... 152	85		
	Sept. 3-Sept. 16... 82	35		
Kosow district.....	Aug. 13-Sept. 2... 64	48		
	Sept. 3-Sept. 16... 55	24		
Lemberg district.....	Sept. 3-Sept. 16... 24	19		
Malhrisch Ostrau.....	Sept. 10-Sept. 16... 1			
Melec district.....	July 31-Aug. 6... 1	1		
	Aug. 20-Aug. 26... 1			
	Sept. 3-Sept. 9... 3	1		
Mosolska district.....	Sept. 10-Sept. 16... 1			
Muslenice district.....	Sept. 10-Sept. 16... 2	2		
Nadworna district.....	Aug. 13-Sept. 2... 8	3		
	Sept. 3-Sept. 16... 26	16		

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Austria-Hungary—Continued.				
Nisko district.....	July 17-July 30...	3	2	
	July 31-Sept. 2...	30	20	
Oldenburg district.....	July 20.....			3 deaths reported.
Podhakce district.....	Aug. 13-Sept. 2...	63	27	
	Sept. 3-Sept. 16...	70	27	
Przemslany district.....	Sept. 10-Sept. 16...	8	12	
Pressburg district.....	Sept. 13.....			Cholera reported.
Rohatyn district.....	Sept. 3-Sept. 9...	1		
Saybusch district.....	July 24-Aug. 6...	30	9	
	Aug. 7-Aug. 19...	5	3	
Skalat.....	July 24-July 30...	1		
	Aug. 27-Sept. 2...	43	33	
	Sept. 3-Sept. 16...	21	19	
Sniatyn district.....	Aug. 7-Sept. 2...	44	28	
	Sept. 3-Sept. 16...	24	13	
Stanislaw district.....	July 17-July 23...	1		
	July 31-Sept. 2...	185	81	
	Sept. 3-Sept. 16...	173	113	
Tarnossel.....	July 24-July 30...	1		
	July 31-Aug. 6...	2		
Tarno district.....	July 31-Aug. 19...	53	30	
	Aug. 27-Sept. 2...	15	7	
	Sept. 3-Sept. 16...	10	6	
Tarnobrz district.....	July 31-Sept. 2...	102	58	
	Sept. 3-Sept. 16...	10	9	
Tarnopol district.....	Aug. 20-Aug. 26...	1		
Tarnow district.....	Aug. 20-Aug. 26...	21	12	
Turka district.....	Sept. 10-Sept. 16...	1		
Wieliczka district.....	July 24-July 30...	7	5	
	July 31-Sept. 2...	80	44	
	Sept. 3-Sept. 16...	25	17	
Wadowice district.....	Aug. 7-Sept. 2...	12	7	
	Sept. 3-Sept. 16...	6	3	
Zaleszczny.....	June 5-June 12...		2	
	June 26-July 30...	303	116	
	July 31-Sept. 2...	526	358	
	Sept. 3-Sept. 16...	82	51	
Silesia.....	Aug. 20-Aug. 26...	6	2	
	Sept. 16.....	1	1	
Belgium:				
Angleur.....	July 17-July 30...	11	5	
	Aug. 3.....		1	
Calloo.....	Sept. 8.....	1		Cholera reported.
Charleroi.....	Sept. 8.....	2		Cholera reported.
Chatelmean.....	Aug. 19-Aug. 25...	1		
Cheratte.....	July 18.....	1		
	Aug. 8.....	1		
Ghenée.....	July 29.....	1	1	
Herstel.....	July 18-Aug. 3...		7	
Jemeppes.....	July 23-July 30...		2	To June 25, 50 cases.
Lanaecken.....	Sept. 8.....	1		Cholera reported.
Liege.....	June 9-July 1...	4	8	
	July 1-July 17...		101	
	July 22-July 25...	8		
	July 21-Aug. 4...		33	
	Aug. 4-Aug. 18...		25	
	Aug. 18-Aug. 24...	39	7	In city and suburbs.
	Aug. 24-Sept. 1...		23	
	Sept. 1-Sept. 15...		65	
	Sept. 15-Sept. 22...		15	
Liege province.....	Aug. 5-Aug. 18...		86	
	Aug. 26-Sept. 1...		98	
	Sept. 2-Sept. 8...	139		
Marchienne au Pont.....	Aug. 4.....	2		
Moll.....	Sept. 8.....	1		Cholera reported.
Montegnee.....	Aug. 7.....		2	
Neupelt.....	Aug. 29.....	1	1	
Ongrée.....	July 17-July 30...	1	1	
Roclenge.....	Sept. 8.....	1	1	Cholera reported.
Sernaing.....	June 15-June 30...	9	5	
	July 18.....		7	
	Aug. 31.....	12	4	
Spontin.....	Aug. 19-Aug. 25...	1		
Tilleur.....	Aug. 4.....	2		
	Aug. 30.....	25	24	
Tilleur, Jemeppes, and St. Nicholas.....	Aug. 29.....	20	6	

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Belgium—Continued.				
Angleur, Alost, Liege, Montegnee, Seraing, St. Nicholas.	June 25.....			Cholera reported.
Angleur, Buleur, Grace, Jemeppe, Montegnee, Tilleur.	June 15-June 30...	90	49	
Angleur, Buleur, Fleron, Grace, Montegnee, Olne, Schlessin, Sommague, Tilleur.	July 18.....			Cholera reported.
Wandre.....	July 18.....		1	
	July 28-Aug. 4.....	16	10	
Ceylon:				
Colombo.....	Aug. 11.....			1 death on steamship Natal.
China:				
Canton.....	June 25 and July 2.....			Cholera reported.
Fuchau.....	June 23-June 30.....		2	
England:				
London.....	July 28-Aug. 4.....	5	1	On vessel from Russia lying in the Thames.
Gravesend.....	Aug. 18.....	1		On steamship Bradford, from St. Petersburg.
France:				
Avignon.....	July 19.....	1		
Bordeaux.....	Aug. 4-Aug. 11.....		1	
Cognac.....	Sept. 17-Sept. 18.....		4	
	Sept. 17-Sept. 24.....		4	
Department of Finistère.....	Apr. 22-Apr. 29.....	19		13 localities.
	May 20-May 25.....	7	1	
Marseilles.....	Aug. 3 and Aug. 9 To Aug. 18.....		60	Cholera reported.
Manoel sur Seille.....	Aug. 10.....			2 cases reported.
Mont devant Sassey.....	Aug. 10.....			1 case reported.
Nantes.....	July 7.....			Cholera reported.
	Sept. 4.....			Cholera reported.
Paris.....	May 27-June 2.....		4	
	July 4-July 18.....	6	1	
	Aug. 1-Aug. 19.....	8	2	
Rheims.....	June 23-July 7.....	2	1	
Rueil.....	July 21-July 22.....		2	
Germany:				
Aix la Chapelle.....	Aug. 27-Sept. 24.....	5		
Agilla.....	Aug. 13-Aug. 20.....	1		
Allenstein and Labian dist.....	Sept. 3-Sept. 10.....	2	1	
Althof.....	Aug. 13-Aug. 20.....	4		
Berlin.....	July 19.....	1		
Bohnsack.....	July 11-July 16.....	1		
Brahmunde.....	July 11-July 23.....	2		
Briesen district.....	Sept. 3-Sept. 10.....	1	1	
Breslau.....	Sept. 12.....	1	1	
Bromberg district.....	Aug. 7-Aug. 15.....	10		
	Aug. 20-Sept. 3.....	17	6	
Burgeln (near Marburg).....	To Sept. 3.....	12	3	
	Sept. 3-Sept. 10.....	4	1	
Charlottenberg.....	Sept. 7.....	1	1	
Cologne.....	Aug. 18.....	1	1	Cholera reported.
Christefelde.....	July 16-July 23.....	2		
Dantzig.....	July 7.....			
	July 7-July 28.....	18	6	
	Aug. 6-Aug. 13.....	5		
	Aug. 13-Aug. 20.....			
	Aug. 20-Aug. 27.....	5	3	4 cases on a boat from Königsberg to Dantzig.
Deutsch Eylau.....	June 28-July 4.....	2		
Direchau.....	July 11-July 23.....	2		
Dravlitzen.....	Aug. 13-Aug. 20.....	2	2	
Duisberg.....	Sept. 8-Sept. 14.....	2	2	On vessel from Rotterdam.
	Sept. 17-Sept. 24.....	1		
East Prussia (government).....	Sept. 11-Sept. 24.....	25	6	
Einlage.....	Aug. 13-Aug. 20.....	1		
Elbing district.....	Sept. 3-Sept. 10.....	2	1	
Emmerich.....	Aug. 13-Aug. 20.....	1		
Freinwalde.....	Aug. 20-Aug. 27.....	1	1	
Filehue district.....	Aug. 20-Aug. 27.....	2		
Fordon.....	July 11-July 23.....	2		
Garnsee.....	Aug. 6-Aug. 20.....	2		

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Germany—Continued.				
Gollup.....	July 30-Aug. 13 ..	3	.....
	Aug. 20-Aug. 27 ..	6	2	
Grahenhof	Aug. 20-Aug. 27 ..	1	1	
Grandenz.....	July 16-July 23 ..	2	.....
Grieslienen.....	Sept. 11.....	15	4	
Grono Walz.....	July 11-July 30 ..	4	.....
Grosz Strehlitz.....	Sept. 8-Sept. 14 ..	1	.....
Hamburg.....	Sept. 15-Sept. 22 ..	1	1	Infection in bacteriological laboratory. Cholera reported.
Hohenlohehütte.....	Aug. 31.....	.....	.....
Holm.....	July 30-Aug. 13 ..	7	.....
Huntel.....	Aug. 13-Aug. 20 ..	1	.....
Johannisburg district.....	Aug. 1-Aug. 13 ..	51	16	
	Aug. 20-Aug. 27 ..	3	3	
Josefinen.....	Aug. 8.....	1	1	
Käsemark.....	Aug. 20-Aug. 27 ..	1	1	
Kattowitz district.....	Aug. 27-Sept. 3 ..	1	1	
	Sept. 3-Sept. 10 ..	1	1	
	Sept. 11.....	10	.....
	Sept. 8-Sept. 14 ..	50	19	
Knuzebrack.....	July 11-July 30 ..	3	.....
	July 30-Aug. 6 ..	2	.....
Konigsberg.....	Aug. 12-Aug. 27 ..	17	9	
Konigsberg district.....	Sept. 3-Sept. 10 ..	1	1	
Landsberg.....	Aug. 20-Aug. 27 ..	1	1	
	Aug. 27-Sept. 3 ..	2	.....
Lubeck.....	July 18.....	1	.....	} On steamers during voyage from St. Petersburg.
	July 30.....	1	.....
Marienborg district.....	Aug. 27-Sept. 3 ..	4	3	
	Sept. 3-Sept. 10 ..	10	1	
Mohrungen district.....	Aug. 27-Sept. 3 ..	2	1	
	Sept. 3-Sept. 10 ..	3	2	
Myslowitz.....	Aug. 31.....	.....	.....	Cholera reported.
	Sept. 13.....	.....	.....	Cholera reported.
Nakel.....	Aug. 11.....	.....	1	
Neusfahrwasser.....	July 11-July 16 ..	1	.....
	Aug. 6-Aug. 13 ..	1	.....
	Aug. 20-Aug. 27 ..	1	.....
Neubrich.....	Aug. 13-Aug. 20 ..	1	.....
Netze-Warthe district.....	Aug. 13-Aug. 20 ..	15	11	
	Sept. 3-Sept. 24 ..	11	6	
Niedzwedzen	Aug. 13-Aug. 27 ..	17	7	
Oberschliesen district.....	Aug. 16.....	1	1	
	Aug. 20-Aug. 27 ..	1	1	
Oppeln.....	Sept. 8-Sept. 14 ..	1	1	
Ortelsberg.....	Aug. 5.....	1	.....
Osterode.....	Aug. 13-Aug. 27 ..	7	3	
Plehnendorf.....	June 14.....	3	.....
	July 11-Aug. 6 ..	12	.....
	Aug. 20-Aug. 27 ..	6	3	
Rosenberg.....	Sept. 8-Sept. 14 ..	1	1	
Rosenthal.....	Aug. 20-Aug. 27 ..	1	1	
Rubroatan Harbor.....	Aug. 20-Aug. 27 ..	2	1	On vessel from Rotterdam.
Sagorsch.....	July 30-Aug. 6 ..	3	.....	In country districts.
Schidlitz.....	July 11-July 23 ..	5	.....
Schilno.....	June 14.....	1	2	
	July 11-July 23 ..	7	.....	Another report gives 5 deaths June 4.
	Aug. 13-Aug. 20 ..	1	.....
Schnarse.....	July 30-Aug. 6 ..	1	.....
Schoneburg.....	Aug. 20-Aug. 27 ..	1	1	
Schubin district.....	Aug. 20-Aug. 27 ..	5	1	
Siemianowitz.....	Aug. 31.....	.....	.....	Cholera reported.
Silesia district.....	May 25-May 28 ..	.....	2	
	June 6.....	6	1	
	Aug. 30.....	.....	.....	Cholera reported. "Many cases, especially at Bendzin." Cholera reported in the border district.
	Sept. 12.....	.....	.....
	Aug. 15-Sept. 7 ..	45	22	
	Sept. 7-Sept. 22 ..	115	41	
Stettin.....	Aug. 27-Sept. 3 ..	2	2	On vessel from Kustrin.
	Aug. 31.....	.....	.....	Cholera reported.
	Sept. 5 and 6.....	6	2	
Stutthof district.....	Sept. 3-Sept. 10 ..	1	.....
Tangermünde.....	Sept. 8-Sept. 14 ..	1	.....

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Germany—Continued.				
Thorn (department).....	July 11-July 25...	5	1	
	July 23-July 30.....	5	5	
	Aug. 6-Aug. 23.....	19	10	
	Aug. 20-Sept. 3.....	3	1	
Torgan.....	Sept. 3-Sept. 10.....	1	1	
	Sept. 6.....	1	1	
Troyl.....	Sept. 3-Sept. 10.....	4	1	
Usch.....	Aug. 20-Aug. 27.....	1	1	
Vistula district, West Prussia.	Aug. 11.....	13	5	
Weichselmunde.....	Sept. 11-Sept. 17.....	29	4	
Weisenhohe.....	Sept. 17-Sept. 24.....	4	1	
Wirsitz district.....	Aug. 13-Aug. 27.....	1	1	
	Aug. 11.....	4	2	
Wilken.....	Aug. 20-Aug. 27.....	3	1	
At 4 villages near Kolmar...	Aug. 27-Sept. 3.....	4	1	
	Aug. 27-Sept. 3.....	6	1	
Holland:				
Alblasserdam.....	Sept. 7.....	1	1	
Alkmaar.....	July 14-Aug. 8.....	1	2	
	Aug. 15.....	2	1	
Amstelveen.....	Aug. 14-Aug. 25.....	3	9	
Amsterdam.....	Aug. 1-Aug. 15.....	29	17	
	Aug. 3-Aug. 29.....	47	9	
	Aug. 30-Sept. 22.....	28	8	
	Sept. 22-Sept. 29.....	16	1	
Arianberg.....	Sept. 6-Sept. 13.....	1	1	
Barsingerhorn.....	Aug. 2-Aug. 12.....	1	1	
	Aug. 14-Aug. 23.....	1	2	
	Sept. 1-Sept. 12.....	1	1	
Benebroek.....	Aug. 2-Aug. 12.....	1	1	
	Aug. 29-Sept. 8.....	1	1	
Beverwyk.....	July 14-Aug. 8.....	1	2	
	Aug. 15.....	2	2	
Blesensgraaf.....	July 11-Aug. 8.....	4	2	
Broenhaven.....	July 11-Aug. 8.....	3	1	
Burgerveen.....	Sept. 5-Sept. 12.....	1	1	
Charleroi.....	Aug. 10.....	1	1	
Cosvorden.....	July 24-July 26.....	1	1	
Culemborg.....	Sept. 5-Sept. 12.....	1	1	
Dordrecht.....	Aug. 2-Aug. 8.....	3	3	
	Sept. 2-Sept. 6.....	1	1	
Dostdesst.....	Aug. 2-Aug. 12.....	1	1	
Elsobeek.....	Sept. 1.....	1	1	
Elalo.....	July 18.....	1	1	
	Aug. 30-Sept. 3.....	1	1	
Erp.....	July 14-Aug. 8.....	4	2	
Flushing.....	Aug. 27-Sept. 1.....	1	1	
Goch.....	Aug. 30-Sept. 3.....	1	1	
Groenendal.....	July 27.....	1	1	
Haarlem and environs.....	July 14-Aug. 8.....	8	5	
	Aug. 10.....	11	2	
	Aug. 18-Aug. 20.....	1	1	
	Aug. 22-Sept. 30.....	1	1	
Haarlemmermeer.....	Aug. 15.....	1	3	
	Aug. 29-Sept. 12.....	5	2	
Halfweg.....	Aug. 10.....	1	1	
Heemkirk.....	Sept. 5-Sept. 12.....	1	2	
Heer.....	Aug. 2-Aug. 8.....	1	1	
	Sept. 1.....	2	1	
Helder.....	Aug. 14-Aug. 23.....	1	1	
	Sept. 12-Sept. 17.....	1	1	
Hengen.....	Sept. 1.....	1	3	
Jutfaas.....	Sept. 8-Sept. 12.....	1	1	
Kapelle.....	Sept. 6.....	1	1	
	Sept. 12-Sept. 17.....	3	3	
Katendrecht.....	Aug. 21-Aug. 30.....	1	1	
Kinderdyk.....	Aug. 22.....	1	1	
Kolhorn.....	Aug. 14-Aug. 21.....	1	1	
	Sept. 4-Sept. 12.....	1	1	
Kralingen.....	Sept. 7.....	2	1	
	Sept. 12-Sept. 17.....	1	1	
Krommanle.....	Aug. 14-Aug. 23.....	1	1	
Kuilenberg.....	Sept. 9.....	1	2	
Laudan.....	Sept. 5-Sept. 12.....	2	2	
Landsmeer.....	Sept. 1-Sept. 12.....	2	2	
Langerak.....	Sept. 4-Sept. 17.....	2	2	

On vessels in harbor.

Several cases.

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Holland—Continued.</i>				
Langerdyk.....	July 11-Aug. 8...		5	
	Aug. 12.....		5	
	Aug. 21-Aug. 29...	1		
Leyden.....	July 14-Aug. 8...		1	
	Aug. 14.....		1	
Lobith.....	Aug. 18.....			Cholera reported.
Maestricht.....	July 18.....	1		
	July 27-Aug. 2.....	20	7	
	Aug. 2-Aug. 8.....	76	39	Including 48 cases and 23 deaths in suburbs.
	To Aug. 21.....	64	30	
	Aug. 22-Sept. 7...	11	7	
	Sept. 8-Sept. 10...	4	1	
Middlerode.....	July 11-Aug. 8...		1	
Mydrecht.....	July 14-Aug. 8...	1		
	Aug. 18.....			Cholera reported.
Nieuwer Amstel.....	Aug. 14-Aug. 23...	2		
Nieukirk.....	Aug. 27-Sept. 8...		1	
Nieuwpoost.....	Sept. 2.....		1	
Oirschat.....	Aug. 28.....	1		
Papendrecht.....	Sept. 8-Sept. 12...	4	3	
Purmerend.....	Aug. 14-Aug. 23...	2		
Rantendrecht.....	Aug. 23.....	2		
Roermond.....	Aug. 2-Aug. 8...	1	1	
Rotterdam.....	Aug. 3.....	1	1	On foreign vessel bound for Germany.
	July 27.....	1	1	On canal boat from Maestricht.
	July 29-Aug. 11...	2	1	
	Aug. 11-Aug. 18...	1	1	Two cases on a Rhine boat Aug. 18.
	To Aug. 18.....	7	6	
	Aug. 18-Aug. 25...	1	1	
	Aug. 30.....	1	1	
	Sept. 8-Sept. 22...	3	3	
Spykenisse.....	Aug. 25-Sept. 3...	4	2	
Tilburg.....	Sept. 4-Sept. 12...	6	5	
Utrecht.....	July 14-Aug. 8...		1	
	Aug. 13.....	1		
Velzen.....	To Aug. 21.....	7		
Vroenhoved.....	July 14-Aug. 8...		1	
	Aug. 10.....	2		
Wertgrastyk.....	July 11-Aug. 8...		1	
Womerveer.....	July 11-Aug. 8...		1	
	Aug. 12-Aug. 18...	1	1	
Woydrecht.....	July 14-Aug. 8...		1	
Wyk-an-Zee.....	Aug. 24.....	1		
Wykenmeer.....	Sept. 11.....	1		
Zaandam.....	July 14-Aug. 8...		2	
	Aug. 15.....	2	2	
	Sept. 7.....		1	
Zutphen.....	Sept. 4-Sept. 17...	4	3	
Zvidschalwyk.....	Aug. 18.....			Cholera reported.
<i>India:</i>				
Bombay.....	May 16-May 29...		29	
	May 30-July 10...		81	
	July 10-July 31...		101	
	July 31-Aug. 28...		119	
	Sept. 4-Sept. 11...		4	
Calcutta.....	May 6-June 2.....		85	
	June 3-June 30...		99	
	June 30-July 28...		69	
	July 28-Aug. 25...		73	
Madras.....	Apr. 21-May 4...		2	
<i>Italy:</i>				
Leghorn.....	June 17-June 23...	1		
Procida.....	Aug. 31.....	1		
<i>Japan:</i>				
Hio-go.....	July 14-July 21...	1		
	July 21-July 28...	2	2	
	July 28-Aug. 18...	3	1	
<i>Russia:</i>				
Archangel.....	Sept. 21.....			Cholera reported.
Astrakhan (government).....	July 8-July 14...	4	1	
	Aug. 11-Aug. 21...	1	8	
Bessarabia.....	July 18-Aug. 10...	64	16	
	Aug. 12-Aug. 25...	302	89	
	Sept. 10-Sept. 15...		113	
Brest (city).....	July 14-July 19...	19	12	
	July 2-July 20...	34	13	

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>Russia—Continued.</i>				
Courland (government).....	July 3.....	5	1	
	July 5-Aug. 10...	109	55	
	Aug. 26-Sept. 1...	30	19	
Cronstadt (government).....	June 20-July 5...	12	6	
	July 1-July 26...	189	70	
	July 29-Aug. 4...	10	4	
	Aug. 11-Aug. 30...	8	.....
Estland (government).....	July 1-July 21...	64	31	
	July 22-July 28...	21	11	
	Aug. 2-Aug. 16...	134	43	
Grodno (government).....	June 2-June 29...	66	31	
	June 30-July 21...	63	42	
	July 29-Sept. 1...	2371	1006	
Finland	To July 22.....	11	4	
	July 23-July 29...	5	4	
	Aug. 6-Aug. 26...	15	13	
	Sept. 2-Sept. 10...	1	.....
Hangoe (Finland).....	July 11-July 18...	2	1	
Kalisch (government).....	July 8-July 14...	195	90	
	Aug. 14-Aug. 16...	17	6	
	Aug. 15-Sept. 4...	222	94	
	Sept. 5-Sept. 15...	93	44	
Kasan	Aug. 12-Aug. 18...	18	11	
Kielce (government).....	June 17-July 9...	280	117	
	July 10-July 25...	845	381	
	July 26-Aug. 4...	1165	543	
	Aug. 5-Aug. 16...	1799	914	
	Aug. 14-Aug. 24...	1726	852	
	Aug. 22-Sept. 6...	1055	617	
	Sept. 7-Sept. 12...	165	93	
Kjasan	Aug. 12-Aug. 18...	99	43	
Kostroma.....	July 29-Aug. 4...	1	1	
	Aug. 12-Aug. 25...	39	19	
Kovno (government).....	May 6-May 19...	5	4	
	May 13-June 9...	7	4	
	June 17-June 30...	104	17	
	July 1-July 28...	277	118	
	July 29-Sept. 1...	149	71	
	Sept. 2-Sept. 8...	44	20	
Livland (government).....	To Aug. 13.....	45	23	
	Aug. 12-Aug. 18...	21	13	
Lodz Government.	Aug. 13.....	231	143	
Lomza (government)	July 21-July 30...	29	13	
	July 31-Sept. 8...	466	334	
	Sept. 9-Sept. 17...	16	11	
Lublin (government).....	July 29-Aug. 18...	97	56	
	Aug. 11-Aug. 30...	80	43	
	Aug. 31-Sept. 9...	54	30	
	Sept. 5-Sept. 15...	150	57	
Minsk.....	July 29-Aug. 4...	11	4	
	Aug. 12-Aug. 25...	149	56	
	Sept. 10-Sept. 15...	.....	44	
Moscow (city).....	Aug. 29-Aug. 31...	1	1	
Mohilev.....	Aug. 4.....	4	2	
Mlava (city).....	May 28-May 29...	20	10	
Narva (city).....	July 3-Aug. 9...	64	38	
	Aug. 10-Aug. 30...	25	6	
	Aug. 31-Sept. 6...	6	.....
Novgorod (government).....	July 8-July 28...	55	26	
	Aug. 5-Sept. 1...	640	294	
	Aug. 27-Sept. 9...	535	347	
Olonetz (government)	July 4-July 9...	3	2	
	July 16-July 27...	29	11	
	July 29-Aug. 25...	153	98	
Petrikov (government)	May 13-May 29...	7	6	
	May 31-June 5...	4	2	
	July 1-July 12...	10	3	
	July 22-July 28...	40	11	
	July 29-Aug. 8...	273	120	
	Aug. 7-Aug. 19...	1459	713	
	Aug. 17-Sept. 1...	1651	893	
	Aug. 31-Sept. 16...	882	472	
Plock (government)	May 6-May 12...	26	19	
	May 11-May 31...	109	66	
	June 1-June 7...	74	32	
	June 3-July 4...	349	178	
				Includes city of Ciechanow, June 1 to 19, 157 cases, 74 deaths.

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Plock (government).....	July 5-July 28...	359	188	
	July 29-Aug. 16...	967	484	
	Aug. 12-Sept. 4...	710	403	
	Sept. 5-Sept. 15...	20	15	
Podolia (government).....	May 9-May 23...	11	4	
	June 3-June 9...	2	1	
	Aug. 1-Aug. 13...	50	16	
	Aug. 12-Aug. 18...	56	21	
Pskov.....	Sept. 10-Sept. 15...	166		
Radom (government).....	Aug. 19-Aug. 25...	9	6	
	May 6-May 30...	38	28	
	June 3-June 16...	34	8	
	June 13-July 3...	55	29	
	July 4-July 18...	455	190	
	July 20-July 31...	984	528	
	Aug. 1-Aug. 29...	4101	2011	
	Aug. 30-Sept. 16...	414	257	
Revel.....	July 12.....		1	
Riga.....	Aug. 17.....	10		
	Aug. 14-Aug. 31...	111	63	
	Aug. 22-Aug. 31...	96	47	
	Sept. 1-Sept. 12...	110	52	
Samara.....	Aug. 12-Aug. 20...	3	2	
Saratov.....	Aug. 14-Aug. 20...	10	3	
St. Petersburg (gov't).....	July 1-July 28...	1214	232	
	Aug. 5-Aug. 11...	321	104	
	Aug. 26-Sept. 1...	289	114	
St. Petersburg (city).....	July 1-Aug. 1...	3354	1550	
	Aug. 1-Sept. 17...	1009	629	
Serenetz (government).....	July 10.....	11	5	
	July 16.....	13	6	
Smolensk.....	July 22-July 28...	1	1	
Tomsk.....	July 22-July 28...	16	5	
Tula (government).....	May 20-June 10...	13	1	
	June 3-June 30...	20	1	
	July 8-Aug. 4...	8	1	
	Aug. 12-Aug. 18...	7	1	
Tver.....	Aug. 12-Aug. 18...	8	3	
Vladimir.....	Aug. 19-Aug. 25...	10	8	
Volhynia.....	Aug. 7-Aug. 16...	26	11	
Warsaw (government).....	Apr. 28-June 3...	107	58	
	June 5-June 28...	134	69	
	June 28-July 8...	22	8	
	July 6-Aug. 3...	1538	736	
	Aug. 4-Aug. 20...	2014	1037	
	Aug. 15-Sept. 8...	2060	1012	
	Sept. 9-Sept. 16...	46	30	
	May 6-June 5...	64	41	
Warsaw (city).....	June 5-June 27...	45	29	
	June 29-July 5...	34	22	
	July 9-July 30...	329	150	
	Aug. 2-Aug. 23...	569	218	
	Aug. 20-Aug. 2...	224	80	
	Sept. 3-Sept. 19...	59	25	
	July 16.....	30	9	
	July 22-Aug. 4...	40	15	
Werchnye Selo.....	Aug. 5-Aug. 25...	119	50	
Witibst.....	July 22-July 28...	3	3	
Yaroslav.....	July 22-Aug. 18...	42	16	
Zedletz.....	July 16-July 26...	4	2	
	July 22-July 29...	60	325	
	July 30-Aug. 20...	680	325	
	Aug. 17-Aug. 30...	473	283	
Kiev, Mohilev, Orel, Pskow, Jaroslav, Smolensk.	Aug. 31-Sept. 14...	323	139	
Spain:				
Lucena.....	Aug. 9.....	1	1	
Sweden:				
Stockholm and Fejan Quar- antine Stations.	July 4-July 18...	14	4	1 death on steamer during voyage from St. Petersburg.
	Aug. 14.....	1		
	Aug. 25.....	1		
	Aug. 17-Aug. 19...	13	1	Reported on steamship from St. Pe- tersburg.
Turkey:				
Adana.....	Sept. 1-Sept. 2...	5	2	

Cholera and yellow fever, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<i>Turkey—Continued.</i>				
Adrianople.....	July 12-Aug. 9....	279	154	
	Aug. 11-Aug. 23....	56	45	
Akschehi.....	June 27.....	3	1	
Akserai.....	June 30-July 3....	7	6	
Angora.....	May 31-June 27....	146	.....
	June 13-Aug. 9....	768	490	
	Aug. 5-Aug. 24....	159	92	
	Aug. 20-Sept. 4....	163	124	
Arabson.....	June 30-July 3....	.....	1	
Avanas.....	June 8-June 26....	27	.....
Bey Bazar.....	Sept. 27.....	.....	.....	Cholera reported.
Broussa.....	Sept. 27.....	.....	.....	Cholera reported.
Ben Bunar.....	May 10-May 21....	.....	7	
Bogazlian.....	June 3-June 19....	21	.....
Constantinople.....	Apr. 1-Apr. 30....	.....	5	
	Oct. 3.....	.....	.....	Cholera reported.
Damascus.....	Aug. 20-Sept. 4....	13	5	
Divriki.....	May 24-June 22....	7	3	
Erbaa.....	June 5-June 24....	19	.....
Erzingen.....	Aug. 15.....	6	3	
Ezeroum.....	Apr. 17-Apr. 19....	53	46	
	Aug. 26-Sept. 5....	276	97	
	Sept. 19-Sept. 22....	11	6	
Gumusch Hadji.....	June 26.....	1	.....	Cholera reported.
Harpoot.....	Aug. 11-Aug. 18....	.....	.....
Hudavendkiar.....	July 22-Aug. 10....	.....	27	
	Aug. 7-Sept. 3....	396	237	
Iskilih.....	May 19-June 1....	.....	85	
Izneek.....	Aug. 4.....	.....	3	
Jozgat.....	May 31-June 1....	.....	3	
Kadikoi.....	May 16-June 1....	.....	15	
	June 26.....	3	.....
Kaisseci.....	June 21-June 26....	359	.....	Includes vicinity.
Kastamouni.....	May 5-May 30....	.....	103	
	June 1-June 21....	30	.....
	July 8-Aug. 5....	97	51	
	Aug. 7-Aug. 24....	18	13	
Kaza von Zella.....	May 16-May 31....	.....	82	
	June 1-June 26....	.....	63	
Kirschehr.....	June 3-June 27....	130	.....
Kouia.....	May 13-May 16....	5	4	
	June 1-June 3....	.....	2	
	June 21-June 23....	8	.....
	June 28-Aug. 7....	363	250	
	Aug. 1-Sept. 2....	125	66	
	Sept. 16.....	1	1	
Maaden.....	June 26.....	2	.....
	Aug. 9.....	.....	.....	Cholera reported.
Mahmurat el Aziz.....	May 13.....	.....	15	
	July 7-Aug. 7....	178	94	
	Aug. 7-Aug. 18....	189	56	
	Aug. 15-Sept. 3....	269	110	
Marsowan.....	June 21-June 22....	4	.....
	Aug. 11-Aug. 18....	.....	.....	Cholera reported.
Milan.....	March 19.....	27	17	
	April 9-April 16....	14	10	
Mustapha Pasha.....	July 31-Aug. 5....	8	4	
	Aug. 11-Aug. 19....	12	6	
Nebk.....	Sept. 2-Sept. 6....	8	4	
Neuschehr.....	June 30.....	.....	1	
Nikaar.....	May 27-May 30....	.....	11	
Oolash.....	Aug. 11-Aug. 18....	.....	.....	Cholera reported.
Sansoum.....	May 29.....	12	6	
Sivas.....	Apr. 15-June 2....	3000	1500	Not official.
	June 22-Aug. 6....	262	161	
	Aug. 5-Aug. 12....	63	26	
Sparta.....	July 21.....	.....	.....	Cholera reported.
Tokat.....	May 17-May 31....	.....	23	
	June 1-June 27....	67	.....
Trebizond.....	May 16.....	.....	10	
	May 31-June 24....	.....	37	
	June 27-June 29....	5	3	
Trokia.....	Aug. 22.....	1	.....
Tschataldga.....	Aug. 9.....	.....	.....	Cholera reported.
Unia.....	June 18-June 19....	11	.....
Urgup.....	May 18-May 19....	1	.....
	June 23-June 26....	6	.....
	June 30-July 3....	8	2	
Vau.....	Sept. 20.....	.....	.....	Cholera reported.

Cholera and yellow fever, etc.—Continued.

YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Rio de Janeiro.....	Apr. 29-May 5.....	81		
	May 6-June 2.....	244		
	June 2-June 30.....	84		
	July 1-July 23.....	13		
	July 28-Sept. 1.....	13		
Cuba:				
Cardenas.....	July 1-July 7.....	1		
	July 4-July 11.....	6	2	
	July 14-Aug. 4.....	43	6	
	Aug. 4-Sept. 1.....	93	18	
	Sept. 1-Sept. 15.....	15	2	
Cienfuegos.....	Apr. 29-May 5.....	1		
	May 20-June 3.....	22	3	
	June 4-June 30.....	18	12	
	July 1-July 23.....	14		
	July 29-Sept. 1.....	21		
	Sept. 1-Sept. 15.....	4		
	Oct. 1-Oct. 6.....	1		
Cruces City.....	Aug. 1.....			Fever reported.
Guantanamo.....	June 1-Aug. 31.....	12	11	
Havana.....	Apr. 27-May 3.....	8	2	
	May 4-May 31.....	49	15	
	June 1-June 28.....	86	31	
	June 28-July 26.....	173	59	
	July 26-Aug. 2.....	50	21	
	Aug. 2-Aug. 30.....	162	67	
	Aug. 30-Sept. 27.....	170	65	
	Sept. 27-Oct. 4.....	28	11	
	Oct. 4-Oct. 11.....	23	9	
Manzanillo.....	July 1-Aug. 31.....	4	2	
Manzanaragna.....	Aug. 1.....			Yellow fever reported.
Matanzas.....	June 20-June 27.....	2	1	
	July 4-July 11.....	30	6	
	July 18-Aug. 1.....	32	6	
	Aug. 1-Aug. 22.....	24	7	
	Aug. 28-Sept. 5.....	5	1	
	Sept. 19-Sept. 26.....	3	1	
	Sept. 26-Oct. 3.....	4	1	
Sagua la Grande.....	July 1-July 7.....	1		
Santiago de Cuba.....	Apr. 26-May 2.....	1		
	May 2-May 15.....	2		
	July 9.....	1		
	Aug. 3.....			6 cases, 3 deaths, in the fortnight preceding Aug. 3.
	Aug. 4-Aug. 18.....	14	6	
	Sept. 1-Sept. 8.....	14	4	
	Sept. 15-Sept. 29.....	24	7	
	Sept. 29-Oct. 6.....	15	4	
Ecuador:				
Guayaquil.....	May 4-May 10.....		3	
Honduras:				
Nacaome.....	Apr. 8-Apr. 14.....		2	
	Apr. 22-Apr. 28.....		3	
Mexico:				
Laguna.....	Sept. 13.....			Yellow fever reported.
Vera Cruz.....	Apr. 27-May 3.....	6		
	May 4-May 31.....	38		
	June 1-June 28.....	53		
	June 28-July 26.....	42		
	July 26-Aug. 2.....	11		
	Aug. 2-Aug. 30.....	31		
	Aug. 30-Sept. 13.....	9		
	Sept. 20-Sept. 27.....	1		
	Sept. 27-Oct. 4.....	2		
Nicaragua:				
Granada.....	Sept. 14.....			} Yellow fever reported to be epidemic.
Managua.....	Sept. 14.....			
Panama:				
Panama.....	Sept. 13.....	1		Yellow fever reported. (Infection at Guayaquil.)
Salvador:				
La Libertad.....	Aug. 3.....			Yellow fever reported.
San Salvador.....	July 14-July 21.....	3	3	
	July 28-Aug. 18.....	23	10	
	Aug. 18-Aug. 25.....	2		

*Cholera and yellow fever, etc.—Continued.***YELLOW FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
West Indies:				
Antigua.....	Apr. 29-May 5....	1	1	
Puerto Rico (San Juan).....	June 4-July 1.....	61	13	
	July 1-July 8.....	15	3	
	July 26-Aug. 2.....	22	4	
	Aug. 2-Aug. 16....	60	9	
	Aug. 23-Sept. 6....	26	.....
Port of Spain (Trinidad).....	July .....	.....	1	Confined to barracks. Fever not among shipping.
Yucatan :				
Merida	May 25-May 31....	.....	1	
Venezuela :				
Maracaibo	Sept. 15-Sept. 22...	4	.....

BELGIUM.

The cholera situation at Liege.

LIEGE, October 3, 1894.

SIR: The following excerpt from a report read by the burgomaster before the commercial council last night fully confirms all that I have said heretofore in regard to the malignity of the cholera in this city. When it is remembered that Liege is the center or nucleus of a number of large manufacturing towns, all of which would be included in a single municipality in America, and that such suburbs are the favorite haunts of the Asiatic plague, the mayor's statement will perhaps convey a fair idea of the situation here during the past summer:

The number of cases reported to the police from the beginning of the epidemic to date is 532 and the number of deaths 224. At present the situation is satisfactory; the disease is rapidly disappearing. The above figures should not be alarming, as when the death rate of 1894 is compared with that of 1893 it exceeds the latter by only 53. The cholera has, therefore, not made great ravages in Liege. Its contagious character led us to create a special service for rapid information and to make numerous bacteriological analyses and to exercise the strictest surveillance upon drinking water, etc.

I regret my inability to share this hopeful view of the future, but, there is, in my judgment, nothing in the actual situation to justify it, and very much immediately at hand to discourage it. It is the custom here to hold a fair in the principal boulevard of the city through the months of October and November—a show of such a sort as can not fail to bring the whole population into juxtaposition, which, it seems to me, would alone be sufficient to fill the future with portent.

NICHOLAS SMITH,
U. S. Consul.

CUBA.

Sanitary reports of Santiago.

SANTIAGO DE CUBA, September 29, 1894.

SIR: I have to report this week 4 deaths from yellow fever in this city, leaving about 12 under medical treatment. Diphtheria has caused 2 deaths and typhoid fever 1, the other deaths, 23 in number, being caused by general diseases, both acute and chronic, but of a noncontagious character. At the Quirigua mines 3 cases have been recorded for the week, but so far no deaths.

I am, respectfully,

HENRY S. CAMINERO,
Sanitary Inspector, M. H. S.

SANTIAGO DE CUBA, October 6, 1894.

SIR: I have the honor to inform you that we have had this week 4 deaths from yellow fever out of 15 cases reported, the mortality, as usual, being of recently arrived foreigners. Diphtheria has caused 2 deaths, remittent fever, 3, the rest, up to 21, being from different chronic and acute diseases of noncontagious character. * * *

HENRY S. CAMINERO,
Sanitary Inspector, M. H. S.

FRANCE.

Deaths from cholericforme disease at Marseilles.

MARSEILLES, September 29, 1894.

Weekly mortality list compiled from daily papers, "maladies cholericformes" from slips in the prefet's office.

WEEK ENDING SEPTEMBER 22.

Date.	Deaths.			Maladies cholericformes.
	Adults.	Children.	Total.	
September 16.....	23	4	27	0
September 17.....	31	13	44	1
September 18.....	15	15	30	0
September 19.....	19	7	26	0
September 20.....	25	10	35	1
September 21.....	26	5	31	0
September 22.....	10	5	15	0
Total.....			208	2

MARSEILLES, October 2, 1894.

WEEK ENDING SEPTEMBER 29.

Date.	Deaths.			Maladies cholericformes.
	Adults.	Children.	Total.	
September 23.....	17	10	27	0
September 24.....	26	12	38	0
September 25.....	19	10	29	0
September 26.....	26	16	42	0
September 27.....	9	3	12	0
September 28.....	11	10	21	0
September 29.....	14	11	25	0
Total.....			161	0

Very respectfully,

WILL H. CHAMBERS.

GIBRALTAR.

Quarantine notice.

GIBRALTAR, September, 27, 1894.—The board of health this day decided to remove the quarantine restrictions at this port on arrivals from Antwerp.—JOHN C. KING, *Secretary to the Board of Health.*

GREAT BRITAIN.

Smallpox in Liverpool.

LIVERPOOL, September 29, 1894.

SIR: I have to make the following report regarding the increase of smallpox in this city: The outbreak first occurred about the beginning of September, and up to Friday, the 21st instant, there were in all 34 cases and 1 death. During the week ended September 28, there were 16 more cases, but no deaths; making a total of 50 cases and 1 death. * * *

The medical officer of Liverpool claims that the disease is not epidemic, and that there is not a single case of smallpox in the city at present, all the cases having been removed for isolation to hospital.

It will be noticed that up to the present time the disease is confined to a very small district of the city, and should there be any further development I shall immediately communicate the fact, by cable if necessary, and take all the necessary precautions under the quarantine laws and regulations.

The locality from which the cases have been removed is in one of the most thickly populated and poor districts of the city.

I am, sir, your obedient servant,

JAMES E. NEAL,
U. S. Consul.

To the Hon. ASSISTANT SECRETARY OF STATE.

RUSSIA.

Cholera in Russia.

ST. PETERSBURG, *September 25, 1894.*

SIR: The official report of cholera in the hospitals of this city for the twenty-four hours ending at noon Sunday, September 23, is: New cases, 2; death, 1; remaining in hospital, 47.

The reports from the provinces are also much more favorable, though in some parts of Poland the disease still rages, thus: Warsaw, ten days ending September 15, 88 deaths; Kialiez, seven days ending September 8, 255 deaths; Petrokau, five days ending September 8, 183 deaths; Radom, seven days ending September 8, 107 deaths; Grodno, seven days ending September 8, 80 deaths; Minsk, five days ending September 15, 44 deaths; Podolia, five days ending September 15, 166 deaths; Bessarabia, five days ending September 15, 113 deaths.

In these localities, generally, the number of deaths is somewhat over one-half the number of new cases.

I am, sir, your obedient servant,

ANDREW D. WHITE,
Envoy Extraordinary and Minister Plenipotentiary.

To the Hon. SECRETARY OF STATE.

TURKEY.

Cholera in Turkey.

(Report No. 103.)

CONSTANTINOPLE, *September 20, 1894.*

Cholera has made its appearance at Moosh, in the vilayet of Vau. The first victims have been the soldiers. It is an undeniable fact that cholera has been nearly always spread by the movements of troops. The epidemic of cholera this year is rather light, and though it spreads nearly everywhere in Asia Minor its victims have not amounted to a large number. According to the official statements the number of cholera cases and deaths in the vilayets of Sivas, Angora, and Kastamuni since the outbreak of the epidemic in these vilayets up to the present is 2,396 and 2,580 respectively. The number in the vilayet of Adrianople is 194 cases and 202 deaths. I can not yet state the number of deaths in the vilayet of Ezeroum nor in those of Kouia, Adana, Mahmurat el Aziz, and Damas. In the capital seismic movements (light earthquakes) con-

tinue to be felt. Public health is good. By order of the authorities the houses in which cholera broke out last year have been again disinfected this year. It is to be stated that the authorities have not been aware of all the houses in which cholera made its appearance, but those only in which cholera deaths occurred. Many homes thus which ought to be disinfected are not.

The question agitated by the English Government two years ago, and on which I laid stress in my report No. 39, the 8th of February, 1892, has been finally settled in the last sitting of the Sanitary Commission. At Chanak-Kale, in the Strait of Dardenelles, there will be two steam launches which will carry the sanitary officer in order to give pratique to the steamships passing through the Dardanelles. There is a trial to be made of this service in order to see if it will prove convenient and will facilitate the steamships. An undertaker, a Maltese, will perform the service.

SPIRIDION C. ZAVITZIANO.

(Report No. 104.)

CONSTANTINOPLE, *September 27, 1894.*

Cholera is dying out. According to the last news, 1 cholera case has occurred at Seristal, in the vilayet of Kouia, on the 16th instant. On the following day, at the same place, a cholera death was announced. In the vilayet of Ezeroum, at Erzinginan, from the 19th to the 22d instant, there occurred 11 cholera cases and 6 cholera deaths, of which 2 cases and 2 deaths occurred among the soldiers, and 9 cholera cases and 4 cholera deaths among the population. In the vilayet of Angora cholera has nearly disappeared. There is also the village of Bey Bazar in which a few cholera cases have occurred. In consequence of this nearly total disappearance of the disease, all the sanitary cordons to which passengers were submitted within the boundaries of the vilayet have been already abolished, and travelers will undergo twenty-four hours' detention and disinfection at Tuzla, a railway station on the seashore.

In the vilayet of Broussa cholera is also abating, although it continues to spread very slowly to small villages. One of these villages is Chitly, where there is a spring of mineral alkaline water.

At Chorlee, in the vilayet of Adrianople, 5 men among the workmen of the railroad fell ill, with symptoms of cholera. Of these 5 men 2 died, and their death has been attributed to cholera. Directly after these deaths the village of Chorlee, whose population amounts to 10,000, was surrounded by a sanitary cordon in order to prevent its inhabitants from spreading the disease. Several physicians have been forwarded to Chorlee in order to examine the cases. Dr. Chantemesse, of Paris, was also among these physicians. He came to Constantinople with other members of the Eighth Congress of Hygiene, held at Budapest. These physicians declared, after inquiry and microscopic examination of the dejecta, that these 2 men did not die in consequence of cholera, but in consequence of gastro-enteritis. The villagers always used to drink pure well water, but this year, on account of the drought, they were obliged to drink the water of a ravine stream, which water is far from being pure and clean. All the filthiness of the village of Chorlee is thrown in that stream.

The first cholera cases occurred on the 15th and the last on the 20th instant. The sanitary measures taken against Chorlee has not yet been discontinued in spite of the declaration of the physicians. Cholera news

from the other vilayets is good—no fresh cases. In the vilayet of Assejr, in Yemen, in the district of Benisheir, bubonic plague broke out. Within ten days 12 cases of plague occurred in the village of Bezoo, which cases proved fatal. At Smyrna there exists an epidemic of whooping cough. In Constantinople there is an epidemic of small-pox and many cases of whooping cough.

SPIRIDION C. ZAVITZIANO.

VENEZUELA.

Yellow fever and la grippe in Maracaibo.

MARACAIBO, September 25, 1894.

SIR: In my weekly sanitary reports, I have mentioned that a mild type of la grippe was very prevalent in the city, but until the past few days, no serious diseases had appeared. I regret to state that at present there are 4 cases of yellow fever in Maracaibo, although as yet there are no grounds to believe that it will become epidemic.

It was indeed to be expected that with the dock works now in progress, the sanitary conditions of the city should be changed for the worse, as in order to fill in many thousands of cubic feet of made land it was necessary, to obtain material, to make excavations and stir up soil which had never been disturbed since the foundation of the city. As happens in all similar cases, and especially in the tropics, the miasma from these excavations was not slow to produce the usual effect, and the 4 cases of yellow fever are directly owing, no doubt, to this circumstance. A great increase in the cases of la grippe is also noticed.

It is hoped that no very serious results may ensue, but I shall at all events keep the Department of State fully informed.

I have the honor to be, sir, your obedient servant,

ED. PLUMACHER,

U. S. Consul.

To the Hon. ASSISTANT SECRETARY OF STATE.

STATISTICAL REPORTS.

CUBA—*Havana*.—Under date of October 6, 1894, the U. S. sanitary inspector reports as follows:

There were 561 deaths in this city during the month of September, 1894. Sixty-eight of those deaths were caused by yellow fever, 11 by enteric fever, 21 by so-called pernicious fever, 17 by paludal fever, 2 by diphtheria, 1 by measles, 14 by smallpox, 1 by glanders, 18 by enterocolitis, 17 by dysentery, 3 by cholera infantum, and 16 by pneumonia. During the week ending October 4, 1894, there were 125 deaths in the city, of which 11 were caused by yellow fever, with 28 new cases approximately; 2 died of enteric fever, 4 of so-called pernicious fever, 1 of paludal fever, 6 of smallpox, 8 of enterocolitis, 4 of dysentery, 1 of cholera infantum, and 2 of pneumonia. Three of the 11 deaths from yellow fever occurred in the military hospital. The remaining 8 were scattered over the city.

There were 115 deaths in this city during the week ending October 11, 1894. Nine of those deaths were caused by yellow fever, with approximately 23 new cases, 1 was caused by enteric fever, 3 by so-called pernicious fever, 4 by smallpox, 4 by enterocolitis, 1 by dysentery, 1 by cholera infantum, and 3 by pneumonia. Four of the deaths from yellow fever during the week occurred in the military hospital.

Nuevitas.—Month of September, 1894. Population, 4,097. Total deaths, 6; no deaths from contagious diseases.

FRANCE—*Marseilles*.—Month of August, 1894. Population, 406,919. Total deaths, 1,163, including cholera, 32; smallpox, 21; enteric fever, 39; diphtheria, 20; measles, 11; and whooping cough, 3.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns of England and Wales during the week ended September 29 corresponded to an annual rate of 16.1 a thousand of the aggregate population, which is estimated at 10,458,442. The lowest rate was recorded in Leicester, viz, 8.0, and the highest in Liverpool, viz, 22.8 a thousand.

London.—One thousand two hundred and seventy-seven deaths were registered during the week, including smallpox, 1; measles, 7; scarlet fever, 18; diphtheria, 67; whooping cough, 15; enteric fever, 13; and diarrhea and dysentery, 35. The deaths from all causes corresponded to an annual rate of 14.7 a thousand. In greater London 1,573 deaths were registered, corresponding to an annual rate of 13.8 a thousand of the population. In the "outer ring" the deaths included 12 from diphtheria and 6 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended September 29 in the 16 principal town districts of Ireland was 20.8 a thousand of the population. The lowest rate was recorded in Armagh, viz, 7.0, and the highest in Lisburn, viz, 29.8 a thousand. In Dublin and suburbs 144 deaths were registered, including smallpox, 2; enteric fever, 4; and whooping cough, 2.

Scotland.—The deaths registered in 8 principal towns during the week ended September 29 corresponded to an annual rate of 15.1 a thousand of the population, which is estimated at 1,447,500. The lowest mortality was recorded in Aberdeen, viz, 10.7, and the highest in Glasgow, viz, 17.9 a thousand. The aggregate number of deaths registered from all causes was 432, including measles, 3; scarlet fever, 7; diphtheria, 16; and whooping cough, 14.

MALTA AND GOZO.—Two weeks ended August 31, 1894. Estimated population, 168,736. Total deaths, 168, including 2 from enteric fever.

TURKEY—*Constantinople*.—Month of August, 1894. Population, 700,000. Total deaths, 871, including 12 from smallpox.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Acapulco.....	Sept. 29.....	4,000	8								
Aix la Chapelle.....	Sept. 29.....	109,228	37								
Alexandria.....	Sept. 13.....	231,396	119					1		1	
Anapali.....	Sept. 15.....	1,500	0								
Anapali.....	Sept. 29.....	1,500	0								
Amherstburg.....	Oct. 6.....	2,300	2								
Amsterdam.....	Sept. 29.....	448,922	140	8					2	4	5
Antigua.....	Sept. 29.....	16,664	26								
Antigua.....	Sept. 29.....	16,664	22								
Antwerp.....	Sept. 29.....	254,370	86		1					1	
Basle.....	Sept. 29.....	80,000	26		1						
Basle.....	Sept. 29.....	80,000	9								
Beifast.....	Sept. 29.....	269,200	101					5			3
Belleville.....	Oct. 8.....	10,201	2								
Berlin.....	Sept. 15.....	1,767,639	574					3	13	33	3
Birmingham.....	Sept. 29.....	492,301	150			2		2	1	1	2
Bologna.....	Sept. 29.....	146,068	59								
Bombay.....	Sept. 11.....	853,926	515	4							
Bordeaux.....	Sept. 29.....	252,415	107					4			2
Bradford.....	Sept. 29.....	221,610	69					3	2	1	2
Bremen.....	Sept. 29.....	127,500	39								
Bristol.....	Sept. 29.....	226,578	51							3	1
Brussels.....	Sept. 29.....	498,400	184					2	2	1	4
Budapest.....	Sept. 23.....	600,000	22			7		2	4	5	1
Cairo.....	Sept. 13.....	374,838	335					6			5
Calcutta.....	Sept. 1.....	681,560	381	6		4				1	2
Cape Haitien.....	Aug. 4.....	15,000	8								
Cape Haitien.....	Aug. 11.....	15,000	3								
Cape Haitien.....	Aug. 18.....	15,000	5								
Cape Haitien.....	Aug. 25.....	15,000	2								
Cape Haitien.....	Sept. 1.....	15,000	4								
Cape Haitien.....	Sept. 8.....	15,000	6								
Cape Haitien.....	Sept. 15.....	15,000	3								
Cape Haitien.....	Sept. 22.....	15,000	4								
Cape Haitien.....	Sept. 29.....	15,000	3								
Cardenas.....	Sept. 29.....	23,517	15								
Cardiff.....	Sept. 29.....	150,250	54						1	5	
Catania.....	Sept. 30.....	113,000	67								
Chatham.....	Oct. 6.....	9,052	1								
Christiania.....	Sept. 29.....	167,588	49							3	1
Christiania.....	Sept. 29.....	167,588	59					1	2	6	4
Cienfuegos.....	Sept. 29.....	23,000	14								
Cienfuegos.....	Oct. 6.....	23,000	12	1							
Cognac.....	Oct. 1.....	17,500	7								
Cologne.....	Sept. 29.....	310,379	145						1	5	3
Colombo.....	Sept. 1.....	130,000	76								2
Copenhagen.....	Sept. 29.....	341,000	80							3	
Dantzic.....	Sept. 29.....	121,000	46					2	3	1	
Denia.....	Sept. 29.....	14,000	4								
Dresden.....	Sept. 29.....	216,660	147					2	1	8	2
Dublin.....	Sept. 29.....	350,000	188		1						
Dundee.....	Sept. 29.....	158,719	44				1			1	2
Dusseldorf.....	Sept. 29.....	167,412	50			1				1	
Florence.....	Oct. 1.....	189,998	50							1	
Flushing.....	Sept. 29.....	15,250	11								
Frankfort on the Main.....	Sept. 29.....	201,000	53							3	1
Funchal.....	Sept. 29.....	35,665	22					1			
Genoa.....	Sept. 29.....	182,351	81							3	1
Ghent.....	Sept. 30.....	153,803	53					1			
Gibraltar.....	Sept. 30.....	25,800	11								
Girgenti.....	Sept. 29.....	23,847	11							2	
Girgenti.....	Sept. 29.....	23,847	12							1	
Glasgow.....	Sept. 29.....	686,820	237					1	2	12	1
Gothenberg.....	Sept. 29.....	108,000	37							5	
Halifax.....	Oct. 6.....	38,700	10								
Hamburg.....	Sept. 29.....	598,372	195	1				1	7	7	2
Hamburg.....	Sept. 29.....	598,372	195						2	7	1
Hanover.....	Sept. 15.....	197,000	52							3	
Hioho.....	Sept. 1.....	153,055	158					1			
Hioho.....	Sept. 8.....	153,055	122					3			
Hioho.....	Sept. 15.....	153,055	121								
Hongkong*.....	Sept. 1.....	232,662						1			
Kehl-Strassburg.....	Sept. 29.....	129,556	46								2
Kingston, Canada.....	Oct. 12.....	17,808	11								
Königsberg.....	Sept. 29.....	189,200							1	2	
Leeds.....	Sept. 29.....	388,761	105					1		1	3

* Plague; 7 deaths.

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Leghorn.....	Sept. 29.....	102,956	34					1				
Liege.....	Sept. 22.....	155,898	71	15								
Liverpool.....	Sept. 29.....	507,230	222			2		8	5	3		2
London, England.....	Sept. 29.....	5,948,300	1,573			1		20	20	79	10	21
Lyons.....	Sept. 22.....	500,000	143					6	1	2		
Madras.....	Sept. 7.....	452,518	336								1	
Madrid.....	Sept. 23.....	482,816	276			8		7	1	5		
Magdeburg.....	Sept. 15.....	230,497	97						1	14		2
Manchester.....	Sept. 22.....	522,365	187					1	2		3	2
Manchester.....	Sept. 29.....	522,365	174						6	3	5	
Manila.....	Aug. 4.....	400,000	126									
Manila.....	Aug. 11.....	400,000	131									
Manila.....	Aug. 18.....	400,000	130									
Manila.....	Aug. 25.....	400,000	127									
Manila.....	Sept. 1.....	400,000	112									
Mannheim.....	Sept. 22.....	88,000	26					1				
Marsala.....	Sept. 22.....	40,131	11					1	1	1	2	
Matamoras.....	Oct. 5.....	8,000	9									
Matanzas.....	Oct. 5.....	40,000	26		1							
Mayence.....	Sept. 22.....	72,281	23									
Mayence.....	Sept. 29.....	72,281	20							2		
Messina.....	Sept. 29.....	87,000	25					4	5			
Monte Cristi.....	Oct. 6.....	3,000	0									
Moscow.....	Sept. 15.....	800,000	517				4	2	8	15	3	3
Moscow.....	Sept. 22.....	800,000	451				2	3	5	13	1	3
Munich.....	Sept. 22.....	390,000	185					1		10		11
Munich.....	Sept. 29.....	390,000	170				1		2	5		5
Naples.....	Sept. 29.....	540,000	187				1					
Newcastle on Tyne.....	Sept. 29.....	201,947	78						1	1	3	1
Nuremberg.....	Sept. 15.....	158,453	63						2			3
Odessa.....	Sept. 22.....	324,500	160				1	3	3	10	2	1
Palermo.....	Sept. 22.....	273,000	129									1
Palermo.....	Sept. 29.....	273,000	102				1					1
Paris.....	Sept. 22.....	2,424,705	768					3	1	7	2	5
Paso del Norte.....	Oct. 6.....	7,500	6									
Plymouth.....	Sept. 29.....	86,781	27									
Prague.....	Sept. 22.....	190,135	92					1				1
Puerto Cortez.....	Oct. 2.....	1,500	0						5			
Queenstown.....	Sept. 29.....	15,000	6							1		
Queenstown.....	Oct. 6.....	15,000	5									
Rheims.....	Sept. 29.....	105,408	36									
Rome.....	Sept. 1.....	456,777	157						1			1
Rotterdam.....	Sept. 29.....	228,596	69					4		3		1
St. Petersburg.....	Sept. 8.....	1,100,000	133			3		10	24	41	13	33
St. Stephens.....	Oct. 6.....	2,700	0			4						
St. Thomas.....	Sept. 14.....	12,019	20									1
San Juan del Norte.....	Sept. 30.....	500	1									
San Juan, P. R.....	Sept. 27.....	28,000	15									
San Juan, P. R.....	Oct. 4.....	28,000	10			7						
Schiedam.....	Sept. 29.....	25,580	11			5						
Sheffield.....	Sept. 29.....	339,880	123						1			1
Sonneberg.....	Sept. 29.....	12,000	5									
Southampton.....	Sept. 29.....	67,283	20					2				
Stettin.....	Sept. 22.....	125,000	63						4	3		
Stockholm.....	Sept. 22.....	252,937	86						2	1	2	2
Stockholm.....	Sept. 29.....	252,937	84						6	3	1	
Stuttgart.....	Sept. 27.....	139,659	24					1				
Sunderland.....	Sept. 29.....	136,101	54					2			3	
Tegucigalpa.....	Sept. 15.....	12,000	4									
Tegucigalpa.....	Sept. 15.....	12,000	5									
Trapani.....	Sept. 23.....	43,095	9						2	1		
Trapani.....	Sept. 29.....	43,095	10						1		2	
Trieste.....	Sept. 22.....	158,314	71						1	3		
Tuxpan.....	Sept. 29.....	10,280	16									
Venice.....	Sept. 22.....	158,187	52									
Vera Cruz.....	Oct. 4.....	25,500	26		2							
Warsaw.....	Sept. 22.....	515,654	254	3		1	1		14	14	4	
Winnipeg.....	Oct. 8.....	35,500	5					2				
Zurich.....	Sept. 15.....	122,000	42							3		1
Zurich.....	Sept. 22.....	122,000	30			1				1		

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Supervising Surgeon-General Marine-Hospital Service.